GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:2590
ANSWERED ON:20.03.2002
REMOTE SENSING SATELLITE PROGRAMME
SRIKANTA DATTA NARASIMHARAJA WADIYAR

Will the Minister of SPACE be pleased to state:

(a) whether the Government have increased the application of Remote Sensing Application for various purposes;

(b) if so, the areas in which Remote Sensing Application are being used at present;

(c) the progress made on natural resources management through the Remote Sensing Application during the last three years; and

(d) the details thereof?

Answer

THE MINISTER OF STATE OF THE MINISTRY OF SMALL SCALE INDUSTRIES, MINISTER OF STATE IN THE MINISTRY O PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINIS OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY AND DEPARTMENT OF SPACE (SMT. VASUNDHARA RAJE)

(a) Yes, Sir.

(b) The major areas in which remote sensing applications are being used at present are: agriculture and soils, forestry and environment, water resources, geology, coastal and ocean resources, rural development, urban and infrastructure development, cartography and meteorology.

(c)&(d) Remote sensing application studies carried out during the last three years for better management of natural resources include:
(i) Preharvest crop acreage and production estimation for major food crops grown in the country,
(ii) Agricultural drought assessment and monitoring in the drought prone states,
(iii) Monitoring of flood events towards damage assessment and relief activities,
(iv) Assessment of forest cover in the country,
(v) Characterisation of biodiversity at landscape level for planning conservation,
(vi) Prediction of snow-melt run-off for reservoir operations management,
(vii) Evaluation of watershed development programmes,
(viii) Mapping of wastelands for planning reclamation measures, (ix) Preparation of groundwater prospects maps for providing drinking water in rural habitations, (x) Assessment of performance of selected irrigated commands, (xi) Coastal regulation zone mapping for coastal zone management planning, (xii) Potential fishing zone forecasting, (xiii) Landslide hazard zonation mapping for planning landslide mitigation measures in Uttaranchal and Himachal Pradesh and (xiv) Wetland mapping for planning conservation.